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STATE DOCUMENTS

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Work Injuries in Montana

7-1-71/6-30-72

WORKMEN'S COMPENSATION DIVISION
Department of Labor and Industry

Serving Montana Employees and Employers Since 1915

57th Year

66

STATE OF MONTANA
DEPARTMENT OF LABOR AND INDUSTRY
WORKMEN'S COMPENSATION DIVISION
815 FRONT STREET
HELENA, MONTANA 59601
FORREST H. ANDERSON, GOVERNOR

J. J. CARDEN
ADMINISTRATOR

October 1, 1972

The Honorable Forrest H. Anderson
Governor of Montana

Dear Governor Anderson:

Pursuant to Section 92-842, Revised Codes of Montana, 1947, we are transmitting herewith the fifty-seventh annual Work Injury Report of the Workmen's Compensation Division.

Very truly yours,

/s/ J. J. CARDEN
Administrator

ATTEST:

/s/ Margaret Condon
Secretary

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P R E F A C E

Administration of Montana's Workmen's Compensation Act was landmarked by two profound legislative acts during the 57th year. The first was a result of the passage of Montana's Executive Reorganization Act of 1971 and the second arose from the enactment of the Federal Occupational Safety and Health Act of 1970.

As authorized by the Executive Reorganization Act of 1971, Governor Anderson activated the new Department of Labor and Industry on December 13, 1971. This action abolished the Industrial Accident Board and established the Workmen's Compensation Division under the Department of Labor and Industry.

Coincident with the establishment of the Workmen's Compensation Division, the Governor appointed Mr. J. J. Carden as administrator of the division. The quasi-judicial functions previously exercised by the Industrial Accident Board are now vested in the administrator.

As a result of this major reorganization, there has been a realignment of personnel and functions within this division. We believe this realignment will provide for greater efficiencies in the administration of the Workmen's Compensation Act.

On December 29, 1970, the President signed into law the Occupational Safety and Health Act of 1970. The Act authorized the federal government to set and enforce occupational safety and health standards applicable to business affecting interstate commerce. The Act became effective on April 28, 1971.

On April 1, 1971, Governor Anderson designated the Industrial Accident Board, the Department of Health and the office of the State Fire Marshal as the agencies which the Federal Department of Labor was to work with during the developmental phase which would ultimately result in the State assuming full responsibility for the administration and enforcement of the Occupational Safety and Health law within the State of Montana.

On August 23, 1971, Governor Anderson redesignated the Industrial Accident Board as the sole agency responsible for coordinating all state and federal activities related to the Occupational Safety and Health Act. As a result, the Bureau of Safety and Health of the Workmen's Compensation Division, which is responsible for the administration of the Montana Safety Act, brought its attention to bear upon the complicated task of developing a State Plan of Administration and Compliance which would be equal to or better than the Federal OSHA program. This formidable

task was accomplished by the Bureau of Safety and Health and was submitted to the Federal Occupational Safety and Health regional office on June 30, 1972. Montana's submission of a state plan was the third submitted, preceded by South Carolina and Oregon.

Upon approval by the Secretary of Labor and our Montana Legislature, the Division will have approximately three years in which to bring the State's safety and health compliance activities up to a level consistent with the Occupational Safety and Health Act. At the end of this period, a final evaluation will be made by the Secretary of Labor of Montana's total program effectiveness and if deemed satisfactory, the State will be given the complete responsibility for the administration of Occupational Safety and Health laws in the State of Montana.

PLAN I

Table 1 reflects the experience of the self-insured employers enrolled under Plan I of the Workmen's Compensation Act during the 57th year.

TABLE I

PLAN I

COMPARATIVE SUMMARY OF ACTIVITY
56th Year - 57th Year

	1970 - 1971	1971 - 1972
Number of employers enrolled	70	74
Gross annual payroll	$172,537,921.51*	$170,288,440.96**
Number of work injuries reported	3,034	2,822
Number of claims filed	639	585
Occupational disease cases reported	1	0
Compensation benefits paid	$ 861,792.55	$ 1,007,500.00***
Hospital, medical & burial benefits paid	$ 478,300.35	$ 540,500.00***
Second injury fund contributions	$ 0	$ 500.00
Plan I administrative assessments	$ 53,320.79	$ 59,292.48

* For calendar year 1970
** For calendar year 1971
*** Estimated amounts

PLAN II

Table 2 summarizes the experience of employers enrolled under Plan II of the Workmen's Compensation Act during the 57th year.

TABLE 2

PLAN II

COMPARATIVE SUMMARY OF ACTIVITY
56th Year - 57th Year

	1970 - 1971	1971 - 1972
Number of employers enrolled	7,213	7,615
Gross annual premium	$ 6,335,220.00*	$ 6,802,222.77**
Number of work injuries reported	9,724	9,995
Number of claims filed	1,179	1,435
Occupational disease cases reported	0	0
Compensation benefits paid	2,351,736.56	2,236,000.00***
Hospital, medical & burial benefits paid	1,218,481.22	1,398,600.00***
Second injury fund contributions	0	1,000.00
Plan II administrative assessments	195,127.38	235,827.08

* For calendar year 1970
** For calendar year 1971
*** Estimated amounts

PLAN III

Table 3 reflects the experience of employers enrolled under Plan III of the Workmen's Compensation Act during the 57th year.

TABLE 3

PLAN III

COMPARATIVE SUMMARY OF ACTIVITY
56th Year - 57th Year

	1970 - 1971	1971 - 1972
Number of employers enrolled	8,180	8,175
Paid premium	$ 7,363,024.56	$ 8,750,266.05
Number of work injuries reported	9,228	9,622
Number of claims filed	1,669	1,678
Occupational disease cases reported	2	0
Compensation benefits paid	4,426,442.63	4,272,867.94
Hospital, medical & burial benefits paid	1,588,011.82	1,846,538.54
Second injury fund contributions	1,500.00	1,500.00
Plan III administrative assessments	570,589.06	590,000.00

WORKMEN'S COMPENSATION DIVISION ADMINISTRATION ACCOUNT
INCOME AND DISBURSEMENTS

A total of $895,125.82 was spent for the administration of the Workmen's Compensation Act during the 57th year of the Act's existence. This is an increase of $34,511.10 over the cost of the 56th year.

The cost of the administration of the Act is borne by the assessment of self-insured employers, insurance carriers and the Industrial Insurance Fund.

Income for the Administrative Fund for the 57th year:

Plan I	$ 54,880.49
Plan II	209,854.91
Plan III	590,000.00
Boiler Inspection	31,395.10
Occupational Disease Filing Fee	3,447.00
Refunds	1,367.38
Adjustment	9,961.11
	$900,905.99
Balance - June 30, 1971	70,983.43
TOTAL	$971,889.42

Disbursements necessary to administer the Workmen's Compensation Act are charged to the plan causing the disbursements. Disbursements by plan for the 57th year were as follows:

Plan I	$ 84,691.90
Plan II	247,460.26
Plan III	520,851.50
Boiler Inspection	42,122.16
TOTAL	$895,125.82
Balance - June 30, 1972	$ 76,763.60

* * * * * *

TABLE 4

PROPORTIONATE COST OF OPERATING THE WORKMEN'S COMPENSATION DIVISION (% by plan)

Plan	Percentage
Plan I	9.46%
Plan II	27.64
Plan III	58.19
Boiler Inspection	4.71
	100.00%
Increase in cost of 1972 fiscal year	4.01%

TABLE 5

SILICOSIS FUND

Period: July 1, 1971 through June 30, 1972

Add:	Appropriation for Benefits	$684,915.00	
	Appropriation for Operations	6,200.00	
	Appropriation for Personal Services	5,885.00	
	Cancelled Warrants (Benefits)	4,596.50	
	J. E. Nos. 26-5 and 37-7	5.72	
Total			$701,602.22
Less:	Benefits		644,713.72
Less Operation Expenses:			
	Supplies and Materials	183.94	
	Travel	508.49	
	Medical Exams	2,872.34	
	Medical Accrued	22.00	
	Postage	259.95	3,846.72
Less Personal Services Expenses:			
	Salaries	5,097.00	
	P.E.R.S. and Social Security	606.13	5,703.13
Ending Cash Balance June 30, 1972			$ 47,338.65

SILICOSIS BENEFITS

	Claimants	Benefits	Administrative	Decrease
1961-62	765	$697,118.22	$24,016.76	
1962-63	713	722,924.41	15,100.68	52
1963-64	657	616,047.00	13,210.15	56
1964-65	602	575,468.00	15,158.01	55
1965-66	547	626,693.50	9,624.19	55
1966-67	508	584,667.00	8,314.62	39
1967-68	455	745,610.93	8,294.19	53
1968-69	412	664,966.39	8,848.89	21
1969-70	391	683,367.75	12,381.26	20
1970-71	363	650,021.48	10,973.88	28
1971-72	322	644,713.72	9,549.85	41

CLAIMS

The claims department processed 9,622 work injuries and 1,678 claims under Plan III during the 57th year. This is an increase of 4.3% in work injuries reported and a 0.5% increase in the number of claims filed.

HEARINGS AND ADJUDICATIONS

A total of 3,698 claims for lost time were filed during the past fiscal year. There was a total of 270 disputed claims under all three plans of coverage. The disputes involved disability in the large majority of these cases. The disputed cases were placed on the docket and were disposed of either through formal hearings and/or agreed settlements.

The following table reflects the hearings activity by plan for the past three year:

TABLE 6

DISPUTED CLAIMS BY PLAN

July 1, 1969 through June 30, 1972

Plan	55th Year	% of Total	56th Year	% of Total	57th Year	% of Total
I	59	19%	56	20%	45	17%
II	221	72%	177	65%	193	71%
III	26	9%	40	15%	32	12%
TOTAL	306	100%	273	100%	270	100%

OCCUPATIONAL DISEASE

No occupational disease cases were reported by employers under the Occupational Disease Act for the 57th year.

WORK INJURY RATE

Montana's overall work injury rate, all nonagricultural industry combined, based on the number of disabling injuries per 1,000 workers, increased by 2.9 from 28.1 per 1,000 workers, to 31.0 per 1,000 workers.

All major industry divisions, with the exception of two, experienced a higher disabling injury rate during the 57th year. Finance, Insurance and Real Estate decreased .6 and Trade decreased 1.7 disabling injuries per 1,000 workers.

TABLE 7

DISABLING WORK INJURIES PER 1,000 WORKERS

Industry Division	1970-71	1971-72	Change
All Industry	28.1	31.0	+ 2.9
Mining	57.2	61.5	+ 4.3
Construction	72.3	87.1	+ 14.8
Manufacturing	77.1	81.2	+ 4.1
Transportation, Communications and Utilities	20.6	23.9	+ 3.3
Finance, Insurance and Real Estate	4.1	3.5	- 0.6
Trade	23.9	22.2	- 1.7
Service	12.6	15.0	+ 2.4
State and Local Government	13.0	16.9	+ 3.9

WORK FATALITIES

The number of compensable fatalities decreased from 49 in 1970-71 to 48 in 1971-72. Three industry divisions, Manufacturing, Contract Construction, and State and Local Government, accounted for 64.6% of the fatalities experienced during the 57th year.

The work fatality rate for the 1971-72 period for all industries combined was 2.4 deaths per 10,000 employees, the same as for the previous year. The 5-year average death rate per 10,000 employees, July 1, 1967 through June 30, 1972, is 2.5.

NATURE OF INJURY

With reference to the basic injury inflicted upon the worker in industry relative to frequency, we find that cuts, lacerations and punctures attained the dubious distinction of being first in frequency, accounting for 26.5% of the total. Strains, sprains and dislocations follow closely behind with 22.6% of the total. Bruises and contusions accounted for 14.2%, with the fracture category accounting for 7.1% of the total. These four categories, of the twelve considered, accounted for 70.4% of the total of reportable work injuries.

NATURE OF INJURY (concluded)

Injuries to the upper extremities (arms, hands and fingers) were the most frequent, accounting for 7,975, or 35.6% of the total.

Injuries to the back and trunk were second in frequency, with 5,286 reportable injuries for 23.5% of the total.

The trend relative to nature of injury by body location remains relatively unchanged from the preceding year.

AGENCY

Working surfaces led all agencies as the agency responsible for the greatest number of work injuries reported, with 17.7% of the total chargeable work injuries.

Hand tools, as an agency, was the next in line, accounting for 3,623 or 16.1% of the total.

Unassigned flying particles, as an identifiable agency, complete our infamous trio of high ranking agencies, with 8.4% of the total.

Taken collectively, the three most common agencies mentioned accounted for approximately 42.2% of all injuries reported.

ACCIDENT TYPE

The accident type classification identifies the event which directly resulted in the injury. The experience relative to accident type was very similar to last year. Struck by or striking against objects, machines or equipment was still the most common classification with 8,374, or 37.3% of the total. Falls and slips were second, with 4,009, or 17.9% of the total. Strain or overexertion, as a causal factor, still retained third ranking with 3,579, or 15.9% of the total. The three classifications combined account for approximately 71.1% of the total number of reportable work injuries.

AGE AND SEX OF INJURED WORKERS

Women employees who suffer injuries are older, on the average, than men injured at work. The median age for injured women is 38.7 years compared with 32.3 years for men during the 57th year.

During the 57th year, 13.3% of all job injuries were sustained by women employees. This is a 5% increase from the 56th year.

STATISTICAL SUMMARY

Statistical tables and charts covering the 57th year work injury experience will be found on the following pages.

TABLE 8

FATALITIES* BY INDUSTRY

July 1, 1971 - June 30, 1972

INDUSTRY	PLAN I	PLAN II	PLAN III	TOTAL
AGRICULTURE & AGRICULTURAL SERVICE	0	0	0	0
MINERAL EXTRACTION	1	0	1	2
Metal mining	1			
Oil & gas field			1	
CONTRACT CONSTRUCTION	0	2	12	14
Heavy construction			4	
General building contractors		1	4	
Special trade contractors		1	4	
MANUFACURING	3	5	1	9
Lumber & wood products	1	3		
Primary metal industry	2			
Fabricated metal products		1		
Petroleum refining		1		
Concrete products			1	
TRANSPORTATION, COMMUNICATION & UTILITIES	0	0	5	5
Motor freight transportation			4	
Air transportation			1	
TRADE	0	3	3	6
Wholesale trade		2		
Automotive dealers		1		
Food stores			2	
Eating & drinking places			1	
FINANCE, INSURANCE & REAL ESTATE	0	0	0	0
SERVICE	0	2	2	4
Amusement & recreation		1		
Miscellaneous		1	1	
Medical			1	
GOVERNMENT	0	0	8	8
State				
State Highway Department			3	
University			1	
State hospital			1	
Local				
County			1	
City			1	
School District			1	
TOTAL	4	12	32	48

*Deaths for which findings and awards have been issued by Workmen's Compensation Div.

TABLE 9

CAUSE OF DEATH BY MAJOR INDUSTRY

July 1, 1971 - June 30, 1972

INDUSTRY	PLAN I	PLAN II	PLAN III	TOTAL
AGRICULTURE & AGRIC. SERVICE	0	0	0	0
MINERAL EXTRACTION	1		1	2
Buried in mud & tailing	1			
Heart attack			1	
CONTRACT CONSTRUCTION	0	2	12	14
Pinned between crane & tower		1		
Crushed when loader rolled over			1	
Lost control of car			1	
Fell with scaffold			1	
Electrocuted			1	
Heart attack		1	1	
Trench cave-in			1	
Fell from pole			1	
Carbon monoxide poisoning			3	
Crushed by loader arm			1	
Fell off roof			1	
MANUFACTURING	3	5	1	9
Fell off crane	1			
Struck by falling tree	1	2		
Fell into furnace	1			
Auto & auto collision		1		
Crushed by steel tank		1		
Killed in explosion		1		
Truck left roadway			1	
TRANSPORTATION, COMMUNICATION & UTILITIES	0	0	5	5
Truck & truck collision			1	
Truck ran off roadway			3	
Plane crash			1	
TRADE	0	3	3	6
Truck ran off roadway		1		
Lost control of car		1		
Buried in grain bin		1		
Burned in fire at warehouse			2	
Shot in robbery			1	
FINANCE, INSURANCE & REAL ESTATE	0	0	0	0
SERVICE	0	2	2	4
Thrombosis to heart		1		
Car accident		1	1	
Fell down stairs			1	

TABLE 9

CAUSE OF DEATH BY MAJOR INDUSTRY (concluded)

INDUSTRY	PLAN I	PLAN II	PLAN III	TOTAL
GOVERNMENT	0	0	8	8
Pickup & truck collision			1	
Pedestrian struck by car			1	
Truck & train collision			1	
Fell off truck			1	
Coronary thrombosis			1	
Crushed by loader bucket arm			1	
Heart attack			2	
TOTAL	4	12	32	48

TABLE 10

DEATHS AND DEATH RATES

July 1, 1950 through June 30, 1972

YEAR	DEATHS	WORKERS* (thousands)	DEATHS PER 10,000 WORKERS
1950-1951	95	149	6.4
1951-1952	81	153	5.3
1952-1953	73	154	4.7
1953-1954	68	155	4.4
1954-1955	87	160	5.4
1955-1956	77	167	4.6
1956-1957	85	167	5.1
1957-1958	61	162	3.7
1958-1959	59	165	3.6
1959-1960	68	167	4.1
1960-1961	49	169	2.9
1961-1962	53	171	3.1
1962-1963	51	174	2.9
1963-1964	59	175	3.4
1964-1965	65	178	3.7
1965-1966	47	183	2.6
1966-1967	56	187	3.0
1967-1968	51	190	2.7
1968-1969	45	196	2.3
1969-1970	51	198	2.6
1970-1971	49	201	2.4
1971-1972	48	204	2.4

*Number of workers in non-agricultural industries in Montana.

Source: Monthly Review of Montana Labor Market, Montana State Employment Service, Division of Employment Security

WORK FATALITIES

Montana industry once again contributed its share to the national industrial mortality rate of some 14,200 industrial fatalities. Forty-eight job-related fatalities were recorded in the State this past year and of these 14 or 29% occurred in contract construction. In relation to job-related fatalities, this gave the construction industry the dubious distinction of being the most hazardous employment last year.

It is noteworthy that of the forty-eight job-related fatalities, vehicles represented the single most frequent source of industrial deaths, accounting for 15 fatalities. Automobiles and trucks were involved in 12 fatal work accidents and heavy equipment was involved in 3 fatal work accidents.

TABLE 11

DISABLING AND NON-DISABLING INJURIES

July 1, 1962 through June 30, 1972

YEAR	TOTAL INJURIES	DISABLING	PERCENT OF TOTAL	NON-DISABLING	PERCENT OF TOTAL	UNDETER-MINED	PERCENT OF TOTAL
1962-1963	21,005	5,968	28.4	14,672	70.0	365	1.6
1963-1964	21,393	6,202	29.0	14,744	68.9	447	2.1
1964-1965	22,032	6,227	28.3	15,324	69.5	481	2.2
1965-1966	22,949	6,178	27.0	16,233	70.7	538	2.3
1966-1967	22,767	6,329	27.8	15,880	69.8	558	2.5
1967-1968	22,799	6,590	28.9	15,491	68.0	718	3.2
1968-1969	23,195	6,661	28.7	15,826	68.2	708	3.1
1969-1970	22,476	6,549	29.1	14,914	66.4	1,013	4.5
1970-1971	21,986	5,832	26.5	14,872	67.6	1,282	5.8
1971-1972	22,439	6,180	27.5	15,005	66.9	1,254	5.6

TABLE 12

WORK INJURY EXPERIENCE IN MONTANA
July 1, 1915 through June 30, 1972

YEAR	TOTAL NO. OF ACCIDENTS	PLAN I	PLAN II	PLAN III	FATALS	NO. OF ACCIDENTS FOR EACH 1,000 WORKERS
1915 - 1916	6,802	4,391	2,236	175	136	
1916 - 1917	8,325	5,412	2,386	527	307	
1917 - 1918	5,820	3,668	1,483	669	123	
1918 - 1919	5,474	4,164	664	646	122	
1919 - 1920	4,914	3,164	741	1,009	94	38
1920 - 1921	3,858	1,939	854	1,065	83	
1921 - 1922	3,368	1,591	805	972	51	
1922 - 1923	5,129	2,875	1,024	1,230	81	
1923 - 1924	5,789	3,017	1,353	1,419	87	
1924 - 1925	5,816	3,280	1,257	1,279	79	
1925 - 1926	6,804	3,715	1,548	1,541	78	
1926 - 1927	6,879	3,611	1,725	1,543	93	
1927 - 1928	7,018	2,988	1,985	2,045	85	
1928 - 1929	8,364	3,359	2,383	2,622	89	
1929 - 1930	8,895	2,839	2,702	3,354	94	65
1930 - 1931	6,868	--------	NOT AVAILABLE	-----	55	
1931 - 1932	6,446	1,253	2,319	2,874	56	
1932 - 1933	5,482	489	1,715	3,278	31	
1933 - 1934	7,036	899	1,572	4,565	49	
1934 - 1935	10,630	838	2,454	7,338	65	
1935 - 1936	11,904	1,674	2,489	7,741	93	
1936 - 1937	12,685	2,262	2,035	8,388	103	
1937 - 1938	11,767	2,237	2,065	7,465	90	
1938 - 1939	10,176	1,282	2,131	6,763	63	
1939 - 1940	11,557	1,642	1,944	7,971	70	78
1940 - 1941	12,547	1,771	2,383	8,393	73	
1941 - 1942	13,258	2,348	2,492	8,418	108	
1942 - 1943	12,650	2,121	3,498	7,031	152	
1943 - 1944	11,127	1,820	3,158	6,149	97	
1944 - 1945	10,829	1,536	3,377	4,765	56	
1945 - 1946	10,196	1,139	3,266	5,791	44	
1946 - 1947	13,583	1,517	4,582	7,484	68	99
1947 - 1948	15,677	1,850	5,588	8,239	46	109
1948 - 1949	16,783	1,752	7,016	8,015	83	116
1949 - 1950	16,600	1,749	7,115	7,736	76	112
1950 - 1951	18,227	1,976	8,387	7,964	95	122
1951 - 1952	18,987	2,020	9,015	7,952	81	124
1952 - 1953	19,497	1,968	8,718	8,811	73	126
1953 - 1954	18,859	1,978	7,881	9,000	68	121
1954 - 1955	19,362	1,692	7,682	9,988	87	121
1955 - 1956	20,852	2,022	7,818	11,012	77	125
1956 - 1957	21,026	1,066	7,242	11,718	85	125
1957 - 1958	18,862	1,933	6,540	10,389	61	115
1958 - 1959	19,509	2,033	7,162	10,314	59	118
1959 - 1960	20,308	2,179	7,934	10,195	68	122
1960 - 1961	19,869	2,042	8,106	9,721	49	120

TABLE 12

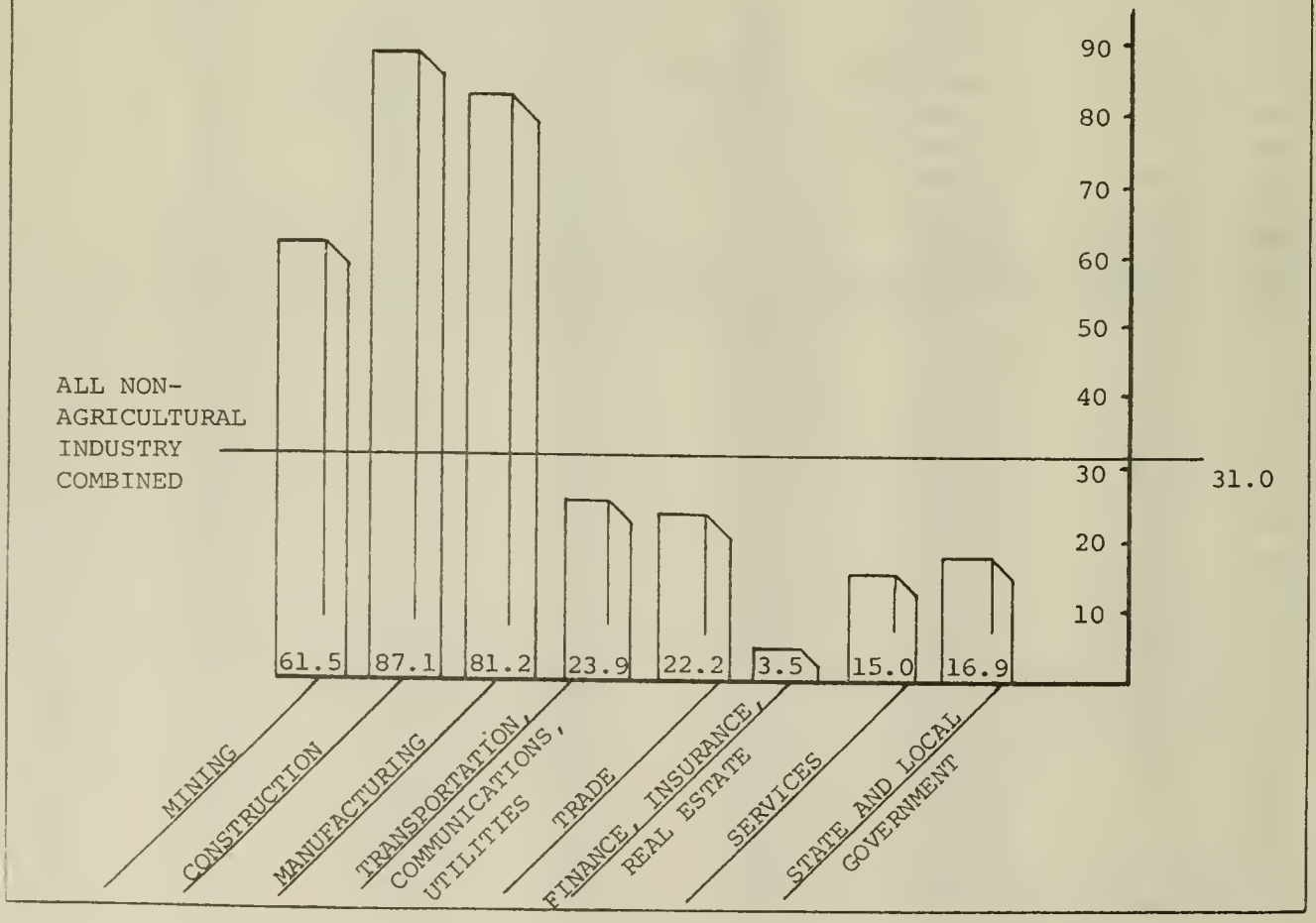
WORK INJURY EXPERIENCE IN MONTANA (Concluded)

YEAR	TOTAL OF ACCIDENTS	PLAN I	PLAN II	PLAN III	FATALS	NO. OF ACCIDENTS FOR EACH 1,000 WORKERS
1961 - 1962	20,153	2,430	9,113	8,610	53	117
1962 - 1963	21,005	2,117	10,460	8,460	51	120
1963 - 1964	21,393	2,306	10,246	8,841	59	122
1964 - 1965	22,032	2,797	10,205	9,030	65	125
1965 - 1966	22,949	3,148	10,293	9,508	47	125
1966 - 1967	22,767	3,075	10,549	9,143	56	122
1967 - 1968	22,799	2,957	10,839	9,003	51	120
1968 - 1969	23,195	3,192	10,643	9,360	45	118
1969 - 1970	22,476	3,107	10,151	9,218	51	114
1970 - 1971	21,986	3,034	9,724	9,228	49	110
1971 - 1972	22,439	2,822	9,995	9,622	48	110

DISABLING WORK INJURIES PER 1,000 EMPLOYEES

BY INDUSTRY GROUP, July 1, 1971 - June 30, 1972

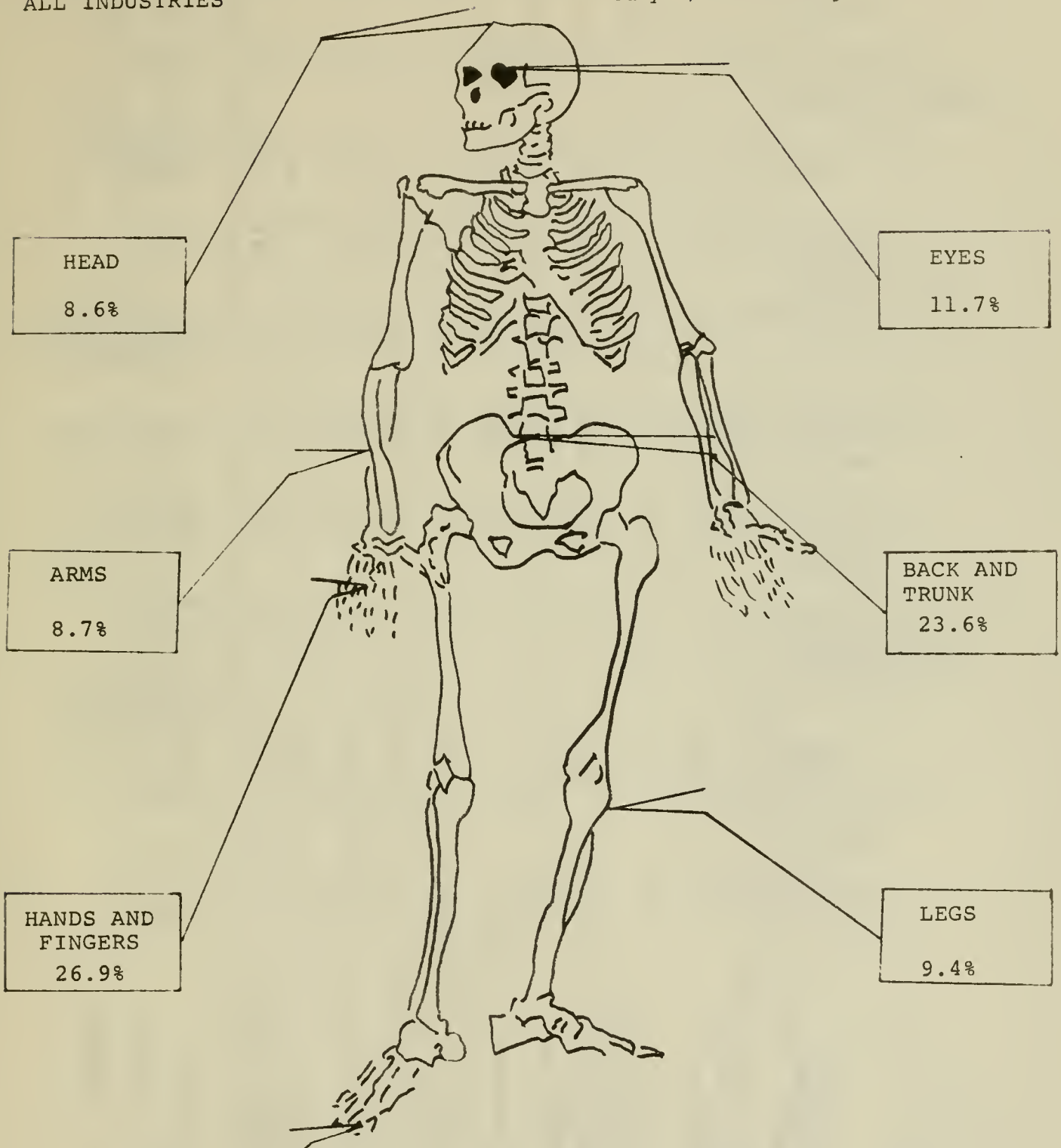
CHART 1



REPORTED WORK INJURIES BY BODY LOCATION

ALL INDUSTRIES

July 1, 1971 through June 30, 1972



(PERCENT OF TOTAL)

CHART 2

TABLE 13

ACCIDENT TYPE
BY MAJOR INDUSTRY

ALL INDUSTRIES
July 1, 1971 - June 30, 1972

ACCIDENT TYPE	PERCENT	TOTAL	AGRICULTURE AND AGRICULTURAL SERVICES	MINERAL EXTRACTION	CONTRACT CONSTRUCTION	MANUFACTURING	TRANSPORTATION, COMMUNICATIONS AND UTILITIES	TRADE	FINANCE, INSURANCE AND REAL ESTATE	SERVICE	GOVERNMENT
STRUCK BY OR STRIKING AGAINST	37.3	8,374	209	265	1,304	2,711	373	1,853	39	744	876
CAUGHT IN ON OR BETWEEN	8.9	2,008	47	151	304	659	91	381	10	161	204
FALLS AND/OR SLIPS	17.9	4,009	146	104	636	960	282	725	30	410	716
INVOLVING MOVING MOTOR VEHICLES	3.3	746	29	35	121	154	122	106	7	22	150
STRAIN OR OVER-EXERTION	15.9	3,579	68	101	520	808	244	840	23	428	547
CONTACT WITH TEMPERATURE EXTREMES	3.0	664	9	29	103	178	23	182	---	72	68
INHALATION, ABSORPTION, SWALLOWING	2.2	489	7	17	76	152	14	104	---	52	67
CONTACT WITH ELECTRIC CURRENT	0.2	53	---	1	15	13	6	8	---	2	8
EXPLOSION, FLASH-BACK, ETC.	0.5	107	---	5	19	23	11	37	---	6	6
FOREIGN BODY IN EYE	7.3	1,629	27	47	403	519	53	336	3	123	118
HEART ATTACK, HEART DISEASE OR STRAIN	0.1	28	2	2	6	1	1	4	1	2	9
OTHER AND NOT STATED	3.4	753	23	31	137	174	51	110	9	64	154
TOTAL	100.0	22,439	567	788	3,644	6,352	1,271	4,686	122	2,086	2,923
PERCENT		99.9	2.5	3.5	16.2	28.3	5.7	20.9	0.5	9.3	13.0

TABLE 14

AGENCY BY MAJOR INDUSTRY

July 1, 1971 -
June 30, 1972

AGENCY	PERCENT	TOTAL	AGRICULTURE & AGRICULTURAL SERVICES	MINERAL EXTRACTION	CONTRACT CONSTRUCTION	MANUFACTURING	TRANSPORTATION, COMMUNICATIONS & UTILITIES	TRADE	FINANCE, INSURANCE & REAL ESTATE	SERVICE	GOVERNMENT
MACHINES	4.4	979	16	24	102	340	17	291	7	91	91
ELEVATORS	0.1	19	-	1	5	3	-	5	1	3	1
HOISTING APPARATUS	1.6	348	1	155	62	56	22	27	2	10	13
CONVEYORS	0.5	119	6	3	16	81	2	9	-	-	2
VEHICLES	6.7	1,504	44	66	193	284	196	343	20	94	264
HAND TOOLS	16.1	3,623	80	97	879	1,001	141	809	9	274	333
CHEMICALS, HOT OR INJURIOUS SUBSTANCES & DUSTS	6.2	1,395	13	56	249	444	50	307	3	129	144
WORKING SURFACES	17.7	3,970	89	101	621	968	280	747	29	409	726
LADDERS	1.2	261	8	6	80	39	22	60	-	17	29
CONTAINERS	3.9	865	23	8	50	173	67	311	6	99	128
TREES, LOGS & LUMBER	6.4	1,433	18	14	134	1,156	15	34	4	18	40
BOILERS & PRESSURE VESSELS	0.4	98	-	5	28	12	8	22	1	8	14
PUMPS & PRIME-MOVERS	0.4	89	2	8	9	10	5	36	1	6	12
MECHANICAL POWER TRANSMISSION APPARATUS	0.5	119	8	6	16	69	1	10	-	5	4
ELECTRICAL APPARATUS	0.5	116	-	1	32	23	19	25	-	6	10
FLYING PARTICLES, UNASSIGNED	8.4	1,880	38	60	443	560	62	426	6	150	135
ANIMALS	1.7	377	119	6	31	40	38	21	4	30	88
MOTION OR PRESSURE	6.0	1,351	28	32	217	307	99	351	12	129	176
ENVIRONMENTAL CONDITIONS	0.2	55	3	5	6	10	5	7	-	4	15
MISCELLANEOUS AGENCIES	17.1	3,838	71	134	471	776	222	845	17	604	698
TOTAL	100.0	22,439	567	788	3,644	6,352	1,271	4,686	122	2,086	2,923
PERCENT		100.0	2.5	3.5	16.2	28.3	5.7	20.9	0.5	9.3	13.0

TABLE 15

NATURE OF INJURY
BY MAJOR INDUSTRY

ALL INDUSTRIES

July 1, 1971 - June 30, 1972

	PERCENT	TOTAL	AGRICULTURE & AGRICULTURAL SERVICES	MINERAL EXTRACTION	CONTRACT CONSTRUCTION	MANUFACTURING	TRANSPORTATION, COMMUNICATIONS & UTILITIES	TRADE	FINANCE, INSURANCE REAL ESTATE	SERVICE	GOVERNMENT
AMPUTATION, LOSS OF, LOSS OF USE OF	0.5	120	3	8	20	38	8	32	1	3	7
BURNS OR SCALDS	4.4	978	11	47	156	278	39	253	1	102	91
CUTS, LACERATIONS, PUNCTURES, ETC.	26.5	5,952	135	136	873	1,871	274	1,477	22	531	633
STRAINS, SPRAINS, DISLOCATIONS	22.6	5,070	129	145	804	1,241	359	1,061	30	501	800
CRUSHING INJURIES	1.7	389	8	26	77	123	20	66	2	19	48
FRACTURES	7.1	1,589	68	117	298	373	115	273	9	123	213
HERNIA	1.0	225	5	4	38	47	15	54	1	20	41
INDUSTRIAL DISEASE	0.7	153	6	4	28	39	5	32	1	14	24
BRUISES & CONTUSIONS	14.2	3,196	92	143	474	1,074	186	520	22	286	399
HEART DISEASE, STRAIN, STROKE, CEREBRAL HEMORRHAGE, ETC.	0.2	34	3	2	9	1	2	6	-	3	8
FOREIGN BODY IN EYE	7.0	1,564	25	45	393	486	51	331	2	120	111
OTHER	14.1	3,169	82	111	474	781	197	581	31	364	548
TOTAL	100.0	22,439	567	788	3,644	6,352	1,271	4,686	122	2,086	2,923
PERCENT		100.0	2.5	3.5	16.2	28.3	5.7	20.9	0.5	9.3	13.0

TABLE 16

BODY LOCATION
BY MAJOR INDUSTRY
ALL INDUSTRIES

July 1, 1971 -
June 30, 1972

	PERCENT	TOTAL	AGRICULTURE & AGRICULTURAL SERVICES	MINERAL EXTRACTION	CONTRACT CONSTRUCTION	MANUFACTURING	TRANSPORTATION, COMMUNICATIONS & UTILITIES	TRADE	FINANCE, INSURANCE & REAL ESTATE	SERVICE	GOVERNMENT
EYES	11.7	2,615	48	89	588	848	94	542	8	186	212
HEAD, FACE & NECK	8.6	1,940	63	83	313	525	146	378	11	156	265
BACK & SPINE	16.8	3,774	101	102	576	892	262	812	31	396	602
TRUNK	6.7	1,512	48	59	240	407	103	263	5	139	248
ARMS	8.7	1,945	56	70	311	543	121	369	14	171	290
HANDS & WRISTS	10.0	2,253	37	80	304	700	106	525	11	204	286
FINGERS	16.9	3,780	60	153	513	1,167	130	988	17	398	354
LEGS	9.4	2,099	91	64	350	618	142	342	12	188	292
FEET & ANKLES	7.5	1,688	44	53	303	480	93	299	10	164	242
TOES	1.8	404	12	21	58	98	27	94	2	47	45
BODY N.O.C. OR NOT STATED	1.9	429	7	14	88	74	47	74	1	37	87
TOTAL	100.0	22,439	567	788	3,644	6,352	1,271	4,686	122	2,086	2,923
PERCENT			2.5	3.5	16.2	28.3	5.7	20.9	0.5	9.3	13.0

TABLE 17

NATURE OF INJURY BY BODY LOCATION

ALL INDUSTRIES

July 1, 1971 - June 30, 1972

	PERCENT	TOTAL	EYES	HEAD, FACE & NECK	BACK & SPINE	TRUNK	ARMS	HANDS & WRISTS	FINGERS	LEGS	FEET & ANKLES	TOES	BODY N.O.C. OR NOT STATED
AMPUTATION, LOSS OF, LOSS OF USE OF	0.5	120	7	29	2	-	2	1	75	-	-	4	-
BURNS AND SCALDS	4.4	978	311	125	6	23	112	191	55	70	57	1	27
CUTS, LACERATIONS, PUNCTURES, ETC.	26.5	5,952	282	747	19	65	418	1,003	2,428	593	324	38	35
STRAINS, SPRAINS, DISLOCATIONS	22.6	5,070	2	288	2,725	221	493	279	131	345	567	11	8
CRUSHING INJURIES	1.7	389	-	-	-	3	12	33	279	8	16	32	6
FRACTURES	7.1	1,589	1	187	63	214	126	170	339	115	189	162	23
HERNIA	1.0	225	1	-	-	200	-	3	-	-	-	1	20
INDUSTRIAL DISEASE	0.7	153	3	10	2	15	19	55	12	4	9	4	20
BRUISES & CONTUSIONS	14.2	3,196	50	207	232	406	455	371	340	569	382	118	66
HEART DISEASE, STRAIN, STROKE, CEREBRAL HEMORRHAGE, ETC.	0.2	34	-	-	-	32	-	-	-	-	-	-	2
FOREIGN BODY IN EYE	7.0	1,564	1,562	1	-	-	-	-	1	-	-	-	-
OTHER	14.1	3,169	396	346	725	333	308	147	120	395	144	33	222
TOTAL	100.0	22,439	2,615	1,940	3,774	1,512	1,945	2,253	3,780	2,099	1,688	404	429
PERCENT		100.0	11.7	8.6	16.8	6.7	8.7	10.0	16.8	9.4	7.5	1.8	1.9

TABLE 18

AGENCY BY
ACCIDENT TYPE

ALL INDUSTRIES
July 1, 1971 - June 30, 1972

	PERCENT	TOTAL	STRUCK BY OR STRIKING AGAINST	CAUGHT IN, ON OR BETWEEN	SLIPS AND FALLS	ACCIDENTS INVOLVING MOVING VEHICLES	STRAIN OR OVER-EXERTION	CONTACT WITH TEMPERATURE EXTREMES	INHALATION, ABSORPTION OR SWALLOWING	CONTACT WITH ELECTRIC CURRENT	EXPLOSION, FLASH-BACK, ETC.	FOREIGN BODY IN EYE	HEART ATTACK, HEART DISEASE, OR STRAIN	OTHER, NOT STATED OR CLASSIFIED
MACHINES	4.4	979	449	459	9	-	59	2	-	-	-	1	-	-
ELEVATORS	0.1	19	4	11	2	-	2	-	-	-	-	-	-	-
HOISTING APPARATUS	1.6	348	173	143	-	-	32	-	-	-	-	-	-	-
CONVEYORS	0.5	119	33	78	-	-	8	-	-	-	-	-	-	-
VEHICLES	6.7	1,504	412	227	26	733	99	1	-	-	1	-	-	5
HAND TOOLS	16.1	3,623	3,012	277	3	-	309	12	2	1	1	3	-	3
CHEMICALS, HOT OR INJURIOUS SUBSTANCES	6.2	1,395	46	1	-	-	11	597	466	3	40	186	-	45
WORKING SURFACES	17.7	3,970	31	6	3,615	-	316	-	-	-	-	-	2	-
LADDERS	1.2	261	24	6	222	-	9	-	-	-	-	-	-	-
CONTAINERS	3.9	865	400	71	2	1	378	1	-	-	11	-	-	1
TREES, LOGS, LUMBER	6.4	1,433	1,117	155	5	2	149	-	2	-	-	3	-	-
BOILERS, PRESSURE VESSELS	0.4	98	50	12	-	-	29	-	-	-	6	-	-	1
PUMPS, PRIME-MOVERS	0.4	89	33	42	-	-	14	-	-	-	-	-	-	-
MECHANICAL POWER	0.5	119	15	102	-	-	2	-	-	-	-	-	-	-
ELECTRICAL APPARATUS	0.5	116	33	3	-	-	16	3	-	47	13	-	-	1
FLYING PARTICLES, UNASSIGNED	8.4	1,880	244	1	-	-	-	-	1	-	-	1,427	1	206
ANIMALS	1.7	377	107	8	71	-	9	-	-	-	-	1	-	181
MOTION OR PRESSURE	6.0	1,351	10	-	15	5	1,314	1	-	-	-	-	1	5
ENVIRONMENTAL CONDITIONS	0.2	55	1	-	1	-	-	41	1	-	1	-	1	9
MISC. AGENCIES	17.1	3,838	2,180	406	38	5	823	6	17	2	34	8	23	296
TOTAL	100.0	22,439	8,374	2,008	4,009	746	3,579	664	489	53	107	1,629	28	753
PERCENT		100.0	37.3	8.9	17.9	3.3	15.9	3.0	2.2	0.2	0.5	7.3	0.1	3.4

TABLE 19

SEX AND MARITAL STATUS BY AGE GROUP

ALL INDUSTRIES

July 1, 1971 through June 30, 1972

Age Group	Male				Female				Total Both Sexes	Percent of Grand Total
	Total	Single	Married	Status Unknown	Total	Single	Married	Status Unknown		
Under 14	NOT AVAILABLE				NOT AVAILABLE				NOT AVAILABLE	
14-15	32	32	-	-	8	8	-	-	40	0.2
16-17	301	279	8	14	67	61	5	1	368	1.6
18-19	1,168	963	172	36	218	171	39	5	1,386	6.2
20-24	3,576	1,656	1,801	120	446	240	191	14	4,022	17.9
25-29	2,914	552	2,278	84	257	69	182	6	3,171	14.1
30-34	2,197	259	1,892	46	221	43	175	3	2,418	10.8
35-39	1,693	149	1,507	37	249	46	194	9	1,942	8.6
40-44	1,672	145	1,472	55	258	46	201	11	1,930	8.6
45-49	1,454	162	1,253	39	291	65	217	9	1,745	7.8
50-54	1,307	131	1,150	26	326	83	229	14	1,633	7.3
55-59	1,080	107	958	15	289	97	182	10	1,369	6.1
60-64	724	85	626	13	170	81	83	6	894	4.0
65-69	168	23	143	2	40	26	14	-	208	0.9
70-74	42	6	35	1	15	12	3	-	57	0.3
75 & over	22	6	16	-	5	3	2	-	27	0.1
Age not reported	1,106	283	711	113	123	35	72	15	1,229	5.5
TOTAL	19,461	4,838	14,022	601	2,978	1,086	1,789	103	22,439	100.00
Percent of total	86.7	21.5	62.5	2.7	13.3	4.8	8.0	0.5	100.0	

Median Age of Workers Injured: (Both Sexes) 32.8
Median Age of Male Workers Injured: 32.2
Median Age of Female Workers Injured: 38.7

TABLE 20

AGE AND INDUSTRY DIV.
ALL WORK INJURIES

July 1, 1971 -
June 30, 1972

AGE	TOTAL	AGRICULTURE & AGRICULTURAL SERVICES	MINERAL EXTRACTION	CONTRACT CONSTRUCTION	MANUFACTURING	TRANSPORTATION, COMMUNICATION & UTILITIES	TRADE	FINANCE, INSURANCE & REAL ESTATE	SERVICE	GOVERNMENT
Under 14	- - - - - - - - - - - - - - NOT AVAILABLE - - - - - - - - - - - - - -									
14-15	40	5	-	2	3	-	11	-	11	8
16-17	368	27	1	18	36	5	202	2	47	30
18-19	1,386	48	53	145	414	27	441	4	158	96
20-24	4,022	83	170	588	1,307	148	929	12	386	399
25-29	3,171	67	147	478	1,083	178	679	8	223	308
30-34	2,418	33	82	468	753	156	449	6	198	273
35-39	1,942	47	66	353	552	157	381	18	158	210
40-44	1,930	37	73	354	498	171	362	13	170	252
45-49	1,745	34	54	303	444	123	303	11	179	294
50-54	1,633	49	47	286	367	113	282	16	174	299
55-59	1,369	44	32	193	273	89	248	11	150	329
60-64	894	24	11	121	187	42	148	8	104	249
65-69	208	14	4	19	32	4	41	6	30	58
70-74	57	6	1	7	1	4	12	1	9	16
75 & over	27	2	-	-	5	-	4	-	8	8
Age not given	1,229	47	47	309	397	54	194	6	81	94
TOTAL	22,439	567	788	3,644	6,352	1,271	4,686	122	2,086	2,923
Median Age (years)	32.8	34.0	34.5	34.2	30.1	37.5	29.4	42.6	34.0	41.3

TABLE 21

DISTRIBUTION OF WEEKLY WAGES
OF 17,974 INJURED WORKERS*

July 1, 1971 - June 30, 1972

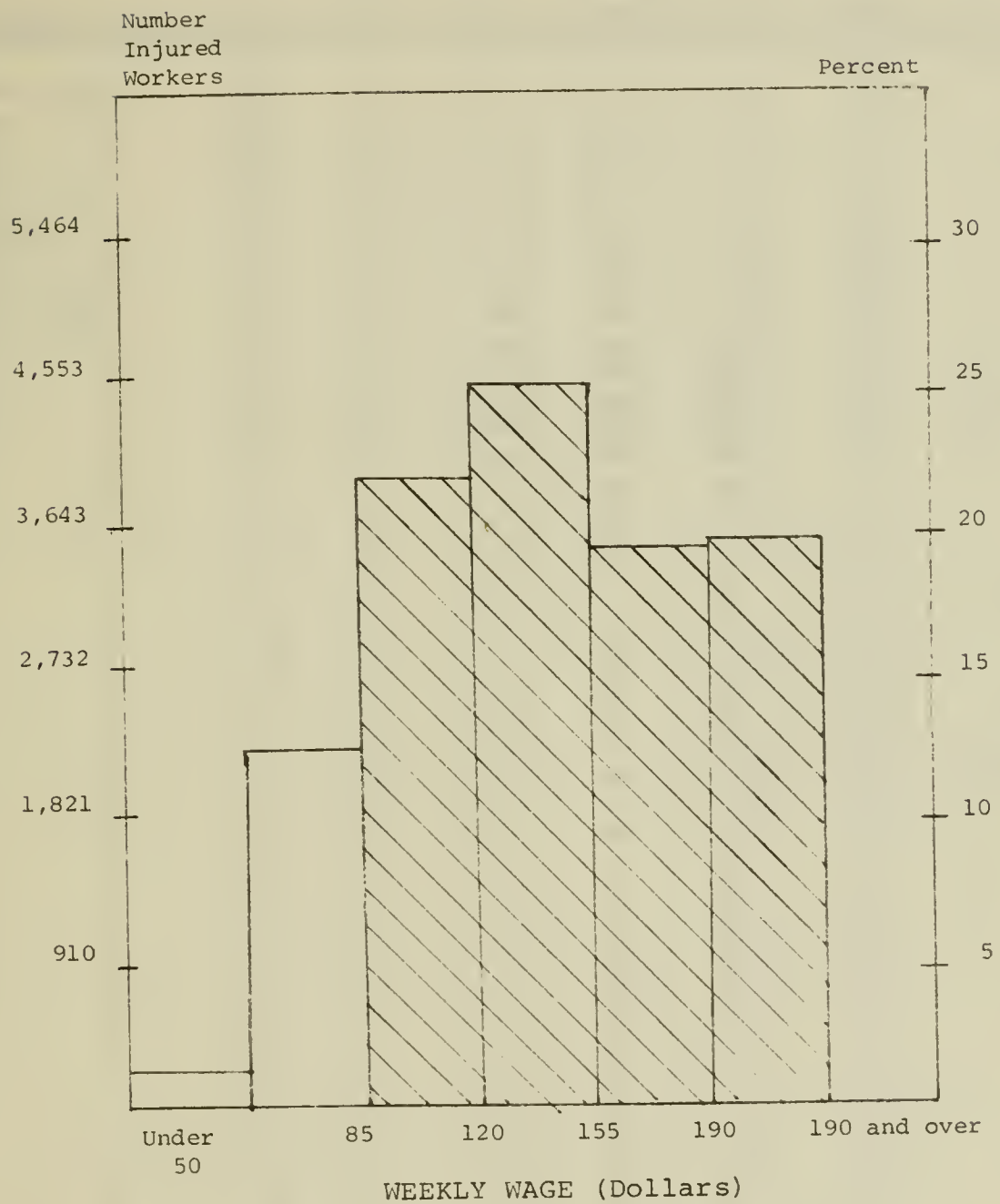
WEEKLY WAGE	TOTAL		MEN		WOMEN	
	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
Total	17,974	100.0	15,577	100.0	2,397	100.0
$ 30 or less	NOT AVAILABLE		NOT AVAILABLE		NOT AVAILABLE	
31 - 35	40	0.2	24	0.1	16	0.7
36 - 40	34	0.2	14	0.1	20	0.8
41 - 45	31	0.2	13	0.1	18	0.8
46 - 50	83	0.5	49	0.3	34	1.4
51 - 55	84	0.5	41	0.3	43	1.8
56 - 60	140	0.8	92	0.6	48	2.0
61 - 65	358	2.0	143	0.9	215	9.0
66 - 70	467	2.6	243	1.5	224	9.3
71 - 75	297	1.7	125	0.8	172	7.2
76 - 80	527	2.9	314	2.0	213	8.9
81 - 85	350	1.9	179	1.1	171	7.1
86 - 90	620	3.5	379	2.4	241	10.1
91 - 95	431	2.4	285	1.8	146	6.1
96 - 100	802	4.5	647	4.2	155	6.5
101 - 105	402	2.2	307	2.0	95	4.0
106 - 110	504	2.8	422	2.7	82	3.4
111 - 115	547	3.0	487	3.1	60	2.5
116 - 120	678	3.8	630	4.0	48	2.0
121 - 125	486	2.7	445	2.9	41	1.7
126 - 130	745	4.1	696	4.5	49	2.0
131 - 135	562	3.1	528	3.4	34	1.4
136 - 140	968	5.4	924	5.9	44	1.8
141 - 145	588	3.3	571	3.7	17	0.7
146 - 150	754	4.2	716	4.6	38	1.6
151 - 155	447	2.5	423	2.7	24	1.0
156 - 160	648	3.6	625	4.0	23	1.0
161 - 165	562	3.1	539	3.5	23	1.0
166 - 170	591	3.3	571	3.7	20	0.8
171 - 175	423	2.3	407	2.6	16	0.7
176 - 180	439	2.4	426	2.7	13	0.5
181 - 185	445	2.5	435	2.8	10	0.4
186 - 190	361	2.0	355	2.3	6	0.3
191 - 195	255	1.4	252	1.6	3	0.1
196 - 200	413	2.3	406	2.6	7	0.3
201 - 205	157	0.9	149	1.0	8	0.3
206 - 210	293	1.6	291	1.9	2	0.1
211 - 215	235	1.3	232	1.5	3	0.1
216 & Over	2,207	12.3	2,192	14.1	15	0.6
Arithmetic Mean	$143.58		$150.67		$92.78	
Median	$139.62		$147.10		$86.00	

*Based upon employers' reports of work injuries received by the Division. Includes all injuries reported where employees worked 30 or more hours per week, including overtime.

CHART 3

DISTRIBUTION OF WEEKLY WAGES OF INJURED WORKERS

July 1, 1971 through June 30, 1972



The shaded section of the chart represents earnings above that required to enable the injured workmen to qualify for the maximum weekly benefit of $80.00. 64.4% of all injured workers had earnings above that required to qualify for the maximum weekly benefit.

TABLE 22

WORK INJURIES AS
REPORTED BY COUNTY

ALL INDUSTRIES
July 1, 1971 - June 30, 1972

County	Percent	Total	No Lost Time	Percent	Lost Time	Percent	Other	Percent
Beaverhead	0.9	215	142	66.0	59	27.4	14	6.5
Big Horn	1.1	246	163	66.2	71	28.9	12	4.9
Blaine	0.6	133	85	63.9	42	31.6	6	4.5
Broadwater	0.5	109	79	72.5	28	25.7	2	1.8
Carbon	0.6	135	90	66.7	38	28.1	7	5.2
Carter	0.1	15	8	53.3	6	40.0	1	6.7
Cascade	8.9	2,002	1,346	67.2	544	27.2	112	5.6
Choteau	0.6	148	90	60.8	48	32.4	10	6.8
Custer	1.6	350	240	68.6	96	27.4	14	4.0
Daniels	0.2	38	26	68.4	12	31.6	--	---
Dawson	1.2	281	189	67.3	82	29.2	10	3.6
Deer Lodge	2.1	468	229	48.9	161	34.4	78	16.7
Fallon	0.5	113	68	60.2	41	36.3	4	3.5
Fergus	1.2	264	175	66.3	76	28.8	13	4.9
Flathead	6.2	1,385	943	68.1	372	26.9	70	5.1
Gallatin	4.7	1,045	722	69.1	273	26.1	50	4.8
Garfield	0.1	25	11	44.0	11	44.0	3	12.0
Glacier	1.2	278	177	63.7	88	31.7	13	4.7
Golden Valley	0.1	13	4	30.8	9	69.2	--	---
Granite	0.8	171	93	54.4	69	40.4	9	5.3
Hill	2.1	472	307	65.0	138	29.2	27	5.7
Jefferson	1.1	242	97	40.1	43	17.8	102	42.1
Judith Basin	0.2	41	24	58.5	16	39.0	1	2.4
Lake	2.0	458	305	66.6	134	29.3	19	4.1
Lewis and Clark	5.0	1,115	749	67.2	280	25.1	86	7.7
Liberty	0.2	47	33	70.2	12	25.5	2	4.3
Lincoln	6.7	1,503	1,078	71.7	362	24.1	63	4.2
Madison	0.1	35	22	62.9	12	34.3	1	2.9
McCone	0.4	82	47	57.3	31	37.8	4	4.9
Meagher	0.5	105	64	61.0	39	37.1	2	1.9
Mineral	1.0	216	120	55.6	87	40.3	9	4.2
Missoula	11.7	2,634	1,886	71.6	620	23.5	128	4.9
Musselshell	0.4	102	60	58.8	33	32.4	9	8.8
Park	1.3	289	200	69.2	70	24.2	19	6.6
Petroleum	---	7	5	71.4	2	28.6	--	---
Phillips	0.3	70	49	70.0	18	25.7	3	4.3
Pondera	1.1	243	170	70.0	56	23.0	17	7.0
Powder River	0.1	29	17	58.6	12	41.4	--	---
Powell	1.0	231	141	61.0	76	32.9	14	6.1
Prairie	0.1	29	15	51.7	13	44.8	1	3.4
Ravalli	1.4	307	194	63.2	93	30.3	20	6.5
Richland	1.3	294	173	58.8	113	38.4	8	2.7
Roosevelt	1.0	227	152	67.0	65	28.6	10	4.4
Rosebud	0.7	169	96	56.8	67	39.6	6	3.6
Sanders	1.9	423	263	62.2	138	32.6	22	5.2
Sheridan	0.3	63	33	52.4	24	38.1	6	9.5
Silver Bow	3.8	851	531	62.4	271	31.8	49	5.8
Stillwater	0.5	120	80	66.7	30	25.0	10	8.3

(Continued)

TABLE 22

WORK INJURIES AS
REPORTED BY COUNTY (Concluded)

ALL INDUSTRIES
July 1, 1971 - June 30, 1972

County	Percent	Total	No Lost Time	Percent	Lost Time	Percent	Other	Percent
Sweet Grass	0.3	80	52	65.0	25	31.3	3	3.8
Teton	0.4	103	72	69.9	28	27.2	3	2.9
Toole	0.6	126	88	69.8	26	20.6	12	9.5
Treasure	0.1	12	7	58.3	5	41.7	--	---
Valley	2.2	496	427	86.1	57	11.5	12	2.4
Wheatland	0.3	62	44	71.0	15	24.2	3	4.8
Wibaux	0.1	20	10	50.0	10	50.0	--	---
Yellowstone	14.1	3,154	2,214	70.2	839	26.6	101	3.2
Out of State	0.9	212	109	51.4	93	43.9	10	4.7
Other	1.5	336	191	56.8	101	30.1	44	13.1
TOTALS	99.9	22,439	15,005	66.9	6,180	27.5	1,254	5.6

BUREAU OF SAFETY AND HEALTH

ANNUAL REPORT

July 1, 1971 - June 30, 1972

RESPONSIBILITIES

The Bureau of Safety and Health is responsible for the administration of Industrial Safety and Health Programs as provided for in Title 41, Chapter 17, Montana Safety Act; Title 50, Chapter 1, Regulations of Quartz Mining Industry; Title 50, Chapters 4 and 5, Regulation of Coal Mining Industry; Title 50, Chapter 9, Consolidation of Boiler and Mine Inspectors; Title 69, Chapter 15, Boiler Inspection - Engineer's License.

The Bureau is an integral part of the Workmen's Compensation Division which is a designated agency responsible for carrying out the Occupational Safety and Health Act of 1970 (OSHA) through an approved Montana State Plan, (MOSHA).

FUNCTIONS

The Bureau performs eight major functions: inspections, investigations, surveys, enforcement, training, education, licensing and administration.

ORGANIZATION

The Bureau employs twenty-nine full-time personnel: these include a bureau chief, an assistant bureau chief, Safety; an assistant bureau chief, Health; a compliance supervisor, training supervisor, standards supervisor, boiler supervisor, mines supervisor, an OSHA Health representative, a fire analyst, seven compliance officers, two boiler inspectors, two metal mine inspectors, one coal mine inspector, a secretary, a clerk-stenographer and five clerk-typists.

ACTIVITIES

To meet the increased demands of Montana industry in the area of safety and health, the Bureau intensified their efforts as represented by the following activities:

ON-GOING PROGRAM

4,501 safety inspections were conducted which included regular inspections; concurrent, with Federal Inspectors; and advisory, using the Federal Standards; these evaluated existing industrial safety and health requirements. These figures include 3,371 boiler inspections.

1,216 mandatory citations, and 226 advisory citations were issued.

697 citations were abated to alleviate unsafe working conditions and/or safety code violations.

39 fatals and 85 non-fatal injuries which were considered to be major in severity were investigated.

358 safety meetings were conducted with an attendance of 1,898.

140 pre-construction meetings were attended by a total of 1,539 persons.

158 safety films were shown with an attendance of 2,975.

26 first aid courses were conducted with an attendance of 382.

9 industrial safety courses were conducted for 136 persons.

2,956 boiler operators licenses were renewed, 473 examinations given to new applicants and 412 licenses issued.

30 mine examinations were given for foreman, fire boss and coal mine inspector and 29 certificates were issued.

The Montana Safety and Health Standards for Metal and Nonmetallic Mining and Related Industries was revised to conform with the U. S. Bureau of Mines Standards.

OCCUPATIONAL SAFETY AND HEALTH PROGRAM

The following activities were carried out under the grants received from the United States Department of Labor to survey our needs and familiarize employers and employees with the Federal Occupational Safety and Health Act:

Safety Grant: (Four field and two office personnel):

280 safety field surveys.

61 hours of Standard Industrial Classification Research.

1,872 hours planning, researching and preparing the proposed Montana State Plan.

144 hours preparing the State Plan Agreement.

123 hours preparing the Montana State Plan Budget.

1,153 hours of Out-Service Training.

3,026 hours of In-Service Training.

112 OSHA safety meetings with 4,189 in attendance.

22 Standards Council and Sub-Committee meetings were held to promulgate the adoption of the Federal Occupational Safety and Health Standards.

Health Grant: (One industrial hygienist and one field technician).

83 health surveys were made in various industries throughout the state to establish manpower needs for the enforcement of health requirements under the proposed Montana Occupational Safety and Health Act (MOSHA).

Fire Grant: (One fire analyst and one office personnel, under the supervision of the State Fire Marshal).

135 fire prevention surveys were conducted to ascertain manpower needs in the field of fire prevention as required under the Federal Occupational Safety and Health Act.

Preliminary figures have indicated that the disabling injury rate, all industries, increased by 6.0% for the period July 1, 1971 through June 30, 1972.

TABLE 23

BOILER LICENSES

July 1, 1971 through June 30, 1972

Class	Number Renewals	Number Originals	Total by Class
1st	566	41	607
2nd	204	48	252
3rd	885	84	969
L.P.	1,086	151	1,237
1st Comp.	124	23	147
2nd Comp.	33	4	37
1st Crane	17	52	69
2nd Crane	3	--	3
Traction	38	9	47
Total	2,956	412	3,368